PF-0675 USN

<110> INCYTE GENOMICS, INC.; TANG, Y. Tom
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<120> HUMAN SECRETORY PROTEINS

<130> PF-0675 USN

<140> 09/914,958
<141> To Be Assigned

<150> PCT/US00/05621
<151> 2000-03-03

<150> US 60/123,117
<151> 1999-03-05

<160> 44

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<212> PRT
<213> Homo sapiens

<220>
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<400> 1

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Met Arg Ser Thr Ile Leu Leu Phe Cys Leu Leu Gly Ser Thr Arg
  1               5                  10                  15
Ser Leu Pro Val Phe Pro Ser Leu Ser Leu Ile Pro Leu Thr Gln
             20                  25                  30
Met Leu Thr Leu Gly Pro Asp Leu His Leu Leu Asn Pro Ala Ala
             35                  40                  45
Gly Met Thr Pro Gly Thr Gln Thr His Pro Leu Thr Leu Gly Gly
             50                  55                  60
Leu Asn Val Gln Gln Gln Leu His Pro His Val Leu Pro Ile Phe
             65                  70                  75
Val Thr Gln Leu Gly Ala Pro Gly His Tyr Pro Lys Leu Arg Gly
             80                  85                  90
Ile Ala Thr Asn Leu His Glu Pro His His Pro Phe Leu Val Pro
             95                 100                 105
Arg Glu Ala Ser Leu Pro Thr Ser Gln Ala Gly Ala Asn Pro Asp
            110                 115                 120
Val Gln Asp Gly Ser Leu Pro Ala Gly Gly Ala Gly Val Asn Pro
            125                 130                 135
Ala Thr Gln Gly Thr Pro Ala Gly Arg Leu Pro Thr Pro Ser Gly
            140                 145                 150
Thr Asp Asp Asp Phe Ala Val Thr Thr Pro Ala Gly Ile Gln Arg
            155                 160                 165
Ser Thr His Ala Ile Glu Glu Ala Thr Thr Glu Ser Ala Asn Gly
            170                 175                 180
Ile Gln
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<210> 2
<211> 125
<212> PRT
<213> Homo sapiens

<220>
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<400> 2
Met Val Cys Glu Asp Ala Pro Ser Phe Gln Met Ala Trp Glu Ser
1 5 10 15
Gln Met Ala Trp Glu Arg Gly Pro Ala Leu Leu Cys Cys Val Leu
20 25 30
Ser Ala Ser Gln Leu Ser Ser Gln Asp Gln Asp Pro Leu Gly His
35 40 45
Ile Lys Ser Leu Leu Tyr Pro Phe Gly Phe Pro Val Glu Leu Pro
50 55 60
Arg Pro Gly Pro Thr Gly Ala Tyr Lys Lys Val Lys Asn Gln Asn
65 70 75
Gln Thr Thr Ser Ser Glu Leu Leu Arg Lys Gln Thr Ser His Phe
80 85 90
Asn Gln Arg Gly His Arg Ala Arg Ser Lys Leu Leu Ala Ser Arg
95 100 105
Gln Ile Pro Asp Arg Thr Phe Lys Cys Gly Lys Trp Leu Pro Gln
110 115 120
Val Pro Ser Pro Val
125

<210> 3
<211> 320
<212> PRT
<213> Homo sapiens

<220>
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<400> 3
Met Ala Gly Leu Ala Ala Arg Leu Val Leu Leu Ala Gly Ala Ala
1 5 10 15
Ala Leu Ala Ser Gly Ser Gln Gly Asp Arg Glu Pro Val Tyr Arg
20 25 30
Asp Cys Val Leu Gln Cys Glu Glu Gln Asn Cys Ser Gly Gly Ala
35 40 45
Leu Asn His Phe Arg Ser Arg Gln Pro Ile Tyr Met Ser Leu Ala
50 55 60
Gly Trp Thr Cys Arg Asp Asp Cys Lys Tyr Glu Cys Met Trp Val
65 70 75
Thr Val Gly Leu Tyr Leu Gln Glu Gly His Lys Val Pro Gln Phe
80 85 90
His Gly Lys Trp Pro Phe Ser Arg Phe Leu Phe Phe Gln Glu Pro
95 100 105
Ala Ser Ala Val Ala Ser Phe Leu Asn Gly Leu Ala Ser Leu Val

```
                110                 115                 120
Met Leu Cys Arg Tyr Arg Thr Phe Val Pro Ala Ser Ser Pro Met
                125                 130                 135
Tyr His Thr Cys Val Ala Phe Ala Trp Val Ser Leu Asn Ala Trp
                140                 145                 150
Phe Trp Ser Thr Val Phe His Thr Arg Asp Thr Asp Leu Thr Glu
                155                 160                 165
Lys Met Asp Tyr Phe Cys Ala Ser Thr Val Ile Leu His Ser Ile
                170                 175                 180
Tyr Leu Cys Cys Val Arg Thr Val Gly Leu Gln His Pro Ala Val
                185                 190                 195
Val Ser Ala Phe Arg Ala Leu Leu Leu Leu Met Leu Thr Val His
                200                 205                 210
Val Ser Tyr Leu Ser Leu Ile Arg Phe Asp Tyr Gly Tyr Asn Leu
                215                 220                 225
Val Ala Asn Val Ala Ile Gly Leu Val Asn Val Val Trp Trp Leu
                230                 235                 240
Ala Trp Cys Leu Trp Asn Gln Arg Arg Leu Pro His Val Arg Lys
                245                 250                 255
Cys Val Val Val Val Leu Leu Leu Gln Gly Leu Ser Leu Leu Glu
                260                 265                 270
Leu Leu Asp Phe Pro Pro Leu Phe Trp Val Leu Asp Ala His Ala
                275                 280                 285
Ile Trp His Ile Ser Thr Ile Pro Val His Val Leu Phe Phe Ser
                290                 295                 300
Phe Leu Glu Asp Asp Ser Leu Tyr Leu Leu Lys Glu Ser Glu Asp
                305                 310                 315
Lys Phe Lys Leu Asp
                320
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<210> 4
<211> 234
<212> PRT
<213> Homo sapiens

<220>
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<223> Incyte ID No: 863808CD1

<400> 4

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Met Gly Pro Gly Gly Arg Val Ala Arg Leu Leu Ala Pro Leu Met
  1               5                  10                  15
Trp Arg Arg Ala Val Ser Ser Val Ala Gly Ser Ala Val Gly Ala
                20                  25                  30
Glu Pro Gly Leu Arg Leu Leu Ala Val Gln Arg Leu Pro Val Gly
                35                  40                  45
Ala Ala Phe Cys Arg Ala Cys Gln Thr Pro Asn Phe Val Arg Gly
                50                  55                  60
Leu His Ser Glu Pro Gly Leu Glu Glu Arg Ala Glu Gly Thr Val
                65                  70                  75
Asn Glu Gly Arg Pro Glu Ser Asp Ala Ala Asp His Thr Gly Pro
                80                  85                  90
Lys Phe Asp Ile Asp Met Met Val Ser Leu Leu Arg Gln Glu Asn
                95                 100                 105
Ala Arg Asp Ile Cys Val Ile Gln Val Pro Pro Glu Met Arg Tyr
                110                 115                 120
```

```
Thr Asp Tyr Phe Val Ile Val Ser Gly Thr Ser Thr Arg His Leu
                125                 130                 135
His Ala Met Ala Phe Tyr Val Val Lys Met Tyr Lys His Leu Lys
                140                 145                 150
Cys Lys Arg Asp Pro His Val Lys Ile Glu Gly Lys Asp Thr Asp
                155                 160                 165
Asp Trp Leu Cys Val Asp Phe Gly Ser Met Val Ile His Leu Met
                170                 175                 180
Leu Pro Glu Thr Arg Glu Ile Tyr Glu Leu Glu Lys Leu Trp Thr
                185                 190                 195
Leu Arg Ser Tyr Asp Asp Gln Leu Ala Gln Ile Ala Pro Glu Thr
                200                 205                 210
Val Pro Glu Asp Phe Ile Leu Gly Ile Glu Asp Asp Thr Ser Ser
                215                 220                 225
Val Thr Pro Val Glu Leu Lys Cys Glu
                230
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<210> 5
<211> 273
<212> PRT
<213> Homo sapiens

<220>
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<223> Incyte ID No: 978433CD1

<400> 5

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Met Gln Pro Ala Ala Ala Ser Glu Arg Gly Gly Ala Asp Ala Asp
  1               5                  10                  15
His Val Pro Leu Leu Gly Leu Leu Arg Leu Gln Leu Arg Ala Ala
                20                  25                  30
Arg Gln Pro Gly Ala Met Arg Pro Gln Gly Pro Ala Ala Ser Pro
                35                  40                  45
Gln Arg Leu Arg Gly Leu Leu Leu Leu Leu Leu Leu Gln Leu Pro
                50                  55                  60
Ala Pro Ser Ser Ala Ser Glu Ile Pro Lys Gly Lys Gln Lys Ala
                65                  70                  75
Gln Leu Arg Gln Arg Glu Val Val Asp Leu Tyr Asn Gly Met Cys
                80                  85                  90
Leu Gln Gly Pro Ala Gly Val Pro Gly Arg Asp Gly Ser Pro Gly
                95                 100                 105
Ala Asn Gly Ile Pro Gly Thr Pro Gly Ile Pro Gly Arg Asp Gly
                110                 115                 120
Phe Lys Gly Glu Lys Gly Glu Cys Leu Arg Glu Ser Phe Glu Glu
                125                 130                 135
Ser Trp Thr Pro Asn Tyr Lys Gln Cys Ser Trp Ser Ser Leu Asn
                140                 145                 150
Tyr Gly Ile Asp Leu Gly Lys Ile Ala Glu Cys Thr Phe Thr Lys
                155                 160                 165
Met Arg Ser Asn Ser Ala Leu Arg Val Leu Phe Ser Gly Ser Leu
                170                 175                 180
Arg Leu Lys Cys Arg Asn Ala Cys Cys Gln Arg Trp Tyr Phe Thr
                185                 190                 195
Phe Asn Gly Ala Glu Cys Ser Gly Pro Leu Pro Ile Glu Ala Ile
                200                 205                 210
Ile Tyr Leu Asp Gln Gly Ser Pro Glu Met Asn Ser Thr Ile Asn
```

215 220 225
Ile His Arg Thr Ser Ser Val Glu Gly Leu Cys Glu Gly Ile Gly
230 235 240
Ala Gly Leu Val Asp Val Ala Ile Trp Val Gly Thr Cys Ser Asp
245 250 255
Tyr Pro Lys Gly Asp Ala Ser Thr Gly Trp Asn Ser Val Ser Arg
260 265 270
Ile Ile Ile Glu Glu Leu Pro Lys
275

<210> 6
<211> 136
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1655369CD1

<400> 6
Met Pro Pro Gly Gly Leu Gly Ala Cys Ala Val Thr Pro Ala Pro
1 5 10 15
Gly Glu Glu Arg Thr Gln Pro Gly Glu Leu Gly Gln Gly Leu His
20 25 30
Met Ala Gln Gly Gln Gln Met Leu Ala Gly Gln Leu Leu Pro Met
35 40 45
Leu Thr Leu Leu Pro Pro Ser Phe Pro Leu Pro His Pro Thr Leu
50 55 60
Gly Pro Arg Arg His Ala Ser Leu Thr Gln Leu Gly Pro Ala Phe
65 70 75
Trp Met Ala Trp Gly Arg Pro Trp Ala His Leu Gly Pro Gly Gln
80 85 90
Pro Leu Gly Gln Leu Trp Lys Ser Ser Val Glu Glu His Leu Leu
95 100 105
Ala Ala Trp Leu Gln Pro Leu Ala Leu Leu Glu Trp Ser Leu Gly
110 115 120
Ala Ser Ala Leu Ser Ala Leu Gly Thr Ser His Pro Leu Gly Leu
125 130 135
Gln

<210> 7
<211> 109
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1703244CD1

<400> 7
Met Leu Met Tyr Met Phe Tyr Val Leu Pro Phe Cys Gly Leu Ala
1 5 10 15
Ala Tyr Ala Leu Thr Phe Pro Gly Cys Ser Trp Leu Pro Asp Trp

```
                  20                  25                  30
Ala Leu Val Phe Ala Gly Gly Ile Gly Gln Ala Gln Phe Ser His
                  35                  40                  45
Met Gly Ala Ser Met His Leu Arg Thr Pro Phe Thr Tyr Arg Val
                  50                  55                  60
Pro Glu Asp Thr Trp Gly Cys Phe Phe Val Cys Asn Leu Leu Tyr
                  65                  70                  75
Ala Leu Gly Pro His Leu Leu Ala Tyr Arg Cys Leu Gln Trp Pro
                  80                  85                  90
Ala Phe Phe His Gln Pro Pro Pro Ser Asp Pro Leu Ala Leu His
                  95                 100                 105
Lys Lys Gln His
```

<210> 8
<211> 262
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1730819CD1

<400> 8

```
Met Ala Ala Ala Ser Ala Gly Ala Thr Arg Leu Leu Leu Leu Leu
  1               5                  10                  15
Leu Met Ala Val Ala Ala Pro Ser Arg Ala Arg Gly Ser Gly Cys
                  20                  25                  30
Arg Ala Gly Thr Gly Ala Arg Gly Ala Gly Ala Glu Gly Arg Glu
                  35                  40                  45
Gly Glu Ala Cys Gly Thr Val Gly Leu Leu Leu Glu His Ser Phe
                  50                  55                  60
Glu Ile Asp Asp Ser Ala Asn Phe Arg Lys Arg Gly Ser Leu Leu
                  65                  70                  75
Trp Asn Gln Gln Asp Gly Thr Leu Ser Leu Ser Gln Arg Gln Leu
                  80                  85                  90
Ser Glu Glu Glu Arg Gly Arg Leu Arg Asp Val Ala Ala Leu Asn
                  95                 100                 105
Gly Leu Tyr Arg Val Arg Ile Pro Arg Arg Pro Gly Ala Leu Asp
                 110                 115                 120
Gly Leu Glu Ala Gly Gly Tyr Val Ser Ser Phe Val Pro Ala Cys
                 125                 130                 135
Ser Leu Val Glu Ser His Leu Ser Asp Gln Leu Thr Leu His Val
                 140                 145                 150
Asp Val Ala Gly Asn Val Val Gly Val Ser Val Val Thr His Pro
                 155                 160                 165
Gly Gly Cys Arg Gly His Glu Val Glu Asp Val Asp Leu Glu Leu
                 170                 175                 180
Phe Asn Thr Ser Val Gln Leu Gln Pro Pro Thr Thr Ala Pro Gly
                 185                 190                 195
Pro Glu Thr Ala Ala Phe Ile Glu Arg Leu Glu Met Glu Gln Ala
                 200                 205                 210
Gln Lys Ala Lys Asn Pro Gln Glu Gln Lys Ser Phe Phe Ala Lys
                 215                 220                 225
Tyr Trp Met Tyr Ile Ile Pro Val Val Leu Phe Leu Met Met Ser
                 230                 235                 240
Gly Ala Pro Asp Thr Gly Gly Gln Gly Gly Gly Gly Gly Cys Gly
```

245 250 255
Gly Gly Gly Gly Ser Gly Arg
260

<210> 9
<211> 384
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1757161CD1

<400> 9
Met Ala Glu Gln Thr Tyr Ser Trp Ala Tyr Ser Leu Val Asp Ser
1 5 10 15
Ser Gln Val Ser Thr Phe Leu Ile Ser Ile Leu Leu Ile Val Tyr
20 25 30
Gly Ser Phe Arg Ser Leu Asn Met Asp Phe Glu Asn Gln Asp Lys
35 40 45
Glu Lys Asp Ser Asn Ser Ser Ser Gly Ser Phe Asn Gly Asn Ser
50 55 60
Thr Asn Asn Ser Ile Gln Thr Ile Asp Ser Thr Gln Ala Leu Phe
65 70 75
Leu Pro Ile Gly Ala Ser Val Ser Leu Leu Val Met Phe Phe Phe
80 85 90
Phe Asp Ser Val Gln Val Val Phe Thr Ile Cys Thr Ala Val Leu
95 100 105
Ala Thr Ile Ala Phe Ala Phe Leu Leu Leu Pro Met Cys Gln Tyr
110 115 120
Leu Thr Arg Pro Cys Ser Pro Gln Asn Lys Ile Ser Phe Gly Cys
125 130 135
Cys Gly Arg Phe Thr Ala Ala Glu Leu Leu Ser Phe Ser Leu Ser
140 145 150
Val Met Leu Val Leu Ile Trp Val Leu Thr Gly His Trp Leu Leu
155 160 165
Met Asp Ala Leu Ala Met Gly Leu Cys Val Ala Met Ile Ala Phe
170 175 180
Val Arg Leu Pro Ser Leu Lys Val Ser Cys Leu Leu Leu Ser Gly
185 190 195
Leu Leu Ile Tyr Asp Val Phe Trp Val Phe Phe Ser Ala Tyr Ile
200 205 210
Phe Asn Ser Asn Val Met Val Lys Val Ala Thr Gln Pro Ala Asp
215 220 225
Asn Pro Leu Asp Val Leu Ser Arg Lys Leu His Leu Gly Pro Asn
230 235 240
Val Gly Arg Asp Val Pro Arg Leu Ser Leu Pro Gly Lys Leu Val
245 250 255
Phe Pro Ser Ser Thr Gly Ser His Phe Ser Met Leu Gly Ile Gly
260 265 270
Asp Ile Val Met Pro Gly Leu Leu Leu Cys Phe Val Leu Arg Tyr
275 280 285
Asp Asn Tyr Lys Lys Gln Ala Ser Gly Asp Ser Cys Gly Ala Pro
290 295 300
Gly Pro Ala Asn Ile Ser Gly Arg Met Gln Lys Val Ser Tyr Phe
305 310 315

```
His Cys Thr Leu Ile Gly Tyr Phe Val Gly Leu Leu Thr Ala Thr
                320                 325                 330
Val Ala Ser Arg Ile His Arg Ala Ala Gln Pro Ala Leu Leu Tyr
                335                 340                 345
Leu Val Pro Phe Thr Leu Leu Pro Leu Leu Thr Met Ala Tyr Leu
                350                 355                 360
Lys Gly Asp Leu Arg Arg Met Trp Ser Glu Pro Phe His Ser Lys
                365                 370                 375
Ser Ser Ser Ser Arg Phe Leu Glu Val
                380
```

<210> 10
<211> 244
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1976095CD1

<400> 10

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Met Asp Ile Leu Val Pro Leu Leu Gln Leu Leu Val Leu Leu Leu
  1               5                  10                  15
Thr Leu Pro Leu His Leu Met Ala Leu Leu Gly Cys Trp Gln Pro
                20                  25                  30
Leu Cys Lys Ser Tyr Phe Pro Tyr Leu Met Ala Val Leu Thr Pro
                35                  40                  45
Lys Ser Asn Arg Lys Met Glu Ser Lys Lys Arg Glu Leu Phe Ser
                50                  55                  60
Gln Ile Lys Gly Leu Thr Gly Ala Ser Gly Lys Val Ala Leu Leu
                65                  70                  75
Glu Leu Gly Cys Gly Thr Gly Ala Asn Phe Gln Phe Tyr Pro Pro
                80                  85                  90
Gly Cys Arg Val Thr Cys Leu Asp Pro Asn Pro His Phe Glu Lys
                95                 100                 105
Phe Leu Thr Lys Ser Met Ala Glu Asn Arg His Leu Gln Tyr Glu
               110                 115                 120
Arg Phe Val Val Ala Pro Gly Glu Asp Met Arg Gln Leu Ala Asp
               125                 130                 135
Gly Ser Met Asp Val Val Val Cys Thr Leu Val Leu Cys Ser Val
               140                 145                 150
Gln Ser Pro Arg Lys Val Leu Gln Glu Val Arg Arg Val Leu Arg
               155                 160                 165
Pro Gly Gly Val Leu Phe Phe Trp Glu His Val Ala Glu Pro Tyr
               170                 175                 180
Gly Ser Trp Ala Phe Met Trp Gln Gln Val Phe Glu Pro Thr Trp
               185                 190                 195
Lys His Ile Gly Asp Gly Cys Cys Leu Thr Arg Glu Thr Trp Lys
               200                 205                 210
Asp Leu Glu Asn Ala Gln Phe Ser Glu Ile Gln Met Glu Arg Gln
               215                 220                 225
Pro Pro Pro Leu Lys Trp Leu Pro Val Gly Pro His Ile Met Gly
               230                 235                 240
Lys Ala Val Lys
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<210> 11
<211> 326
<212> PRT
<213> Homo sapiens

<220>
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<223> Incyte ID No: 2169991CD1

<400> 11

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Met Arg Thr Glu Ala Gln Val Pro Ala Leu Gln Pro Pro Glu Pro
  1               5                  10                  15
Gly Leu Glu Gly Ala Met Gly His Arg Thr Leu Val Leu Pro Trp
             20                  25                  30
Val Leu Leu Thr Leu Cys Val Thr Ala Gly Thr Pro Glu Val Trp
             35                  40                  45
Val Gln Val Arg Met Glu Ala Thr Glu Leu Ser Ser Phe Thr Ile
             50                  55                  60
Arg Cys Gly Phe Leu Gly Ser Gly Ser Ile Ser Leu Val Thr Val
             65                  70                  75
Ser Trp Gly Gly Pro Asn Gly Ala Gly Gly Thr Thr Leu Ala Val
             80                  85                  90
Leu His Pro Glu Arg Gly Ile Arg Gln Trp Ala Pro Ala Arg Gln
             95                 100                 105
Ala Arg Trp Glu Thr Gln Ser Ser Ile Ser Leu Ile Leu Glu Gly
            110                 115                 120
Ser Gly Ala Ser Ser Pro Cys Ala Asn Thr Thr Phe Cys Cys Lys
            125                 130                 135
Phe Ala Ser Phe Pro Glu Gly Ser Trp Glu Ala Cys Gly Ser Leu
            140                 145                 150
Pro Pro Ser Ser Asp Pro Gly Leu Ser Ala Pro Pro Thr Pro Ala
            155                 160                 165
Pro Ile Leu Arg Ala Asp Leu Ala Gly Ile Leu Gly Val Ser Gly
            170                 175                 180
Val Leu Leu Phe Gly Cys Val Tyr Leu Leu His Leu Leu Arg Arg
            185                 190                 195
His Lys His Arg Pro Ala Pro Arg Leu Gln Pro Ser Arg Thr Ser
            200                 205                 210
Pro Gln Ala Pro Arg Ala Arg Ala Trp Ala Pro Ser Gln Ala Ser
            215                 220                 225
Gln Ala Ala Leu His Val Pro Tyr Ala Thr Ile Asn Thr Ser Cys
            230                 235                 240
Arg Pro Ala Thr Leu Asp Thr Ala His Pro His Gly Gly Pro Ser
            245                 250                 255
Trp Trp Ala Ser Leu Pro Thr His Ala Ala His Arg Pro Gln Gly
            260                 265                 270
Pro Ala Ala Trp Ala Ser Thr Pro Ile Pro Ala Arg Gly Ser Phe
            275                 280                 285
Val Ser Val Glu Asn Gly Leu Tyr Ala Gln Ala Gly Glu Arg Pro
            290                 295                 300
Pro His Thr Gly Pro Gly Leu Thr Leu Phe Pro Asp Pro Arg Gly
            305                 310                 315
Pro Arg Ala Met Glu Gly Pro Leu Gly Val Arg
            320                 325
```

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<210> 12
<211> 105
<212> PRT
<213> Homo sapiens

<220>
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<223> Incyte ID No: 2616827CD1

<400> 12
Met Asn Leu Gly Val Ser Met Leu Arg Ile Leu Phe Leu Leu Asp
1 5 10 15
Val Gly Gly Ala Gln Val Leu Ala Thr Gly Lys Thr Pro Gly Ala
20 25 30
Glu Ile Asp Phe Lys Tyr Ala Leu Ile Gly Thr Ala Val Gly Val
35 40 45
Ala Ile Ser Ala Gly Phe Leu Ala Leu Lys Ile Cys Met Ile Arg
50 55 60
Arg His Leu Phe Asp Asp Asp Ser Ser Asp Leu Lys Ser Thr Pro
65 70 75
Gly Gly Leu Ser Asp Thr Ile Pro Leu Lys Lys Arg Ala Pro Arg
80 85 90
Arg Asn His Asn Phe Ser Lys Arg Asp Ala Gln Val Ile Glu Leu
95 100 105

<210> 13
<211> 626
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2991370CD1

<400> 13
Met Ala Pro Ser Ala Asp Pro Gly Met Ser Arg Met Leu Pro Phe
1 5 10 15
Leu Leu Leu Leu Trp Phe Leu Pro Ile Thr Glu Gly Ser Gln Arg
20 25 30
Ala Glu Pro Met Phe Thr Ala Val Thr Asn Ser Val Leu Pro Pro
35 40 45
Asp Tyr Asp Ser Asn Pro Thr Gln Leu Asn Tyr Gly Val Ala Val
50 55 60
Thr Asp Val Asp His Asp Gly Asp Phe Glu Ile Val Val Ala Gly
65 70 75
Tyr Asn Gly Pro Asn Leu Val Leu Lys Tyr Asp Arg Ala Gln Lys
80 85 90
Arg Leu Val Asn Ile Ala Val Asp Glu Arg Ser Ser Pro Tyr Tyr
95 100 105
Ala Leu Arg Asp Arg Gln Gly Asn Ala Ile Gly Val Thr Ala Cys
110 115 120
Asp Ile Asp Gly Asp Gly Arg Glu Glu Ile Tyr Phe Leu Asn Thr
125 130 135
Asn Asn Ala Phe Ser Gly Val Ala Thr Tyr Thr Asp Lys Leu Phe
140 145 150
Lys Phe Arg Asn Asn Arg Trp Glu Asp Ile Leu Ser Asp Glu Val

```
                155                 160                 165
Asn Val Ala Arg Gly Val Ala Ser Leu Phe Ala Gly Arg Ser Val
            170                 175                 180
Ala Cys Val Asp Arg Lys Gly Ser Gly Arg Tyr Ser Ile Tyr Ile
        185                 190                 195
Ala Asn Tyr Ala Tyr Gly Asn Val Gly Pro Asp Ala Leu Ile Glu
    200                 205                 210
Met Asp Pro Glu Ala Ser Asp Leu Ser Arg Gly Ile Leu Ala Leu
215                 220                 225
Arg Asp Val Ala Ala Glu Ala Gly Val Ser Lys Tyr Thr Gly Gly
            230                 235                 240
Arg Gly Val Ser Val Gly Pro Ile Leu Ser Ser Ser Ala Ser Asp
        245                 250                 255
Ile Phe Cys Asp Asn Glu Asn Gly Pro Asn Phe Leu Phe His Asn
    260                 265                 270
Arg Gly Asp Gly Thr Phe Val Asp Ala Ala Ala Ser Ala Gly Val
275                 280                 285
Asp Asp Pro His Gln His Gly Arg Gly Val Ala Leu Ala Asp Phe
            290                 295                 300
Asn Arg Asp Gly Lys Val Asp Ile Val Tyr Gly Asn Trp Asn Gly
        305                 310                 315
Pro His Arg Leu Tyr Leu Gln Met Ser Thr His Gly Lys Val Arg
    320                 325                 330
Phe Arg Asp Ile Ala Ser Pro Lys Phe Ser Met Pro Ser Pro Val
335                 340                 345
Arg Thr Val Ile Thr Ala Asp Phe Asp Asn Asp Gln Glu Leu Glu
            350                 355                 360
Ile Phe Phe Asn Asn Ile Ala Tyr Arg Ser Ser Ser Ala Asn Arg
        365                 370                 375
Leu Phe Arg Val Ile Arg Arg Glu His Gly Asp Pro Leu Ile Glu
    380                 385                 390
Glu Leu Asn Pro Gly Asp Ala Leu Glu Pro Glu Gly Arg Gly Thr
395                 400                 405
Gly Gly Val Val Thr Asp Phe Asp Gly Asp Gly Met Leu Asp Leu
            410                 415                 420
Ile Leu Ser His Gly Glu Ser Met Ala Gln Pro Leu Ser Val Phe
        425                 430                 435
Arg Gly Asn Gln Gly Phe Asn Asn Asn Trp Leu Arg Val Val Pro
    440                 445                 450
Arg Thr Arg Phe Gly Ala Phe Ala Arg Gly Ala Lys Val Val Leu
455                 460                 465
Tyr Thr Lys Lys Ser Gly Ala His Leu Arg Ile Ile Asp Gly Gly
            470                 475                 480
Ser Gly Tyr Leu Cys Glu Met Glu Pro Val Ala His Phe Gly Leu
        485                 490                 495
Gly Lys Asp Glu Ala Ser Ser Val Glu Val Thr Trp Pro Asp Gly
    500                 505                 510
Lys Met Val Ser Arg Asn Val Ala Ser Gly Glu Met Asn Ser Val
515                 520                 525
Leu Glu Ile Leu Tyr Pro Arg Asp Glu Asp Thr Leu Gln Asp Pro
            530                 535                 540
Ala Pro Leu Glu Cys Gly Gln Gly Phe Ser Gln Gln Glu Asn Gly
        545                 550                 555
His Cys Met Asp Thr Asn Glu Cys Ile Gln Phe Pro Phe Val Cys
    560                 565                 570
Pro Arg Asp Lys Pro Val Cys Val Asn Thr Tyr Gly Ser Tyr Arg
575                 580                 585
Cys Arg Thr Asn Lys Lys Cys Ser Arg Gly Tyr Glu Pro Asn Glu
            590                 595                 600
```

```
Asp Gly Thr Ala Cys Val Gly Trp Trp Ser Pro Val Leu Lys Ile
                605                 610                 615
Val Thr Pro Gln Val Gly Lys Ser Leu Gly Pro
                620                 625
```

<210> 14
<211> 296
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3031062CD1

<400> 14

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Met Glu Trp Trp Ala Ser Ser Pro Leu Arg Leu Trp Leu Leu Leu
  1               5                  10                  15
Phe Leu Leu Pro Ser Ala Gln Gly Arg Gln Lys Glu Ser Gly Ser
             20                  25                  30
Lys Trp Lys Val Phe Ile Asp Gln Ile Asn Arg Ser Leu Glu Asn
             35                  40                  45
Tyr Glu Pro Cys Ser Ser Gln Asn Cys Ser Cys Tyr His Gly Val
             50                  55                  60
Ile Glu Glu Asp Leu Thr Pro Phe Arg Gly Gly Ile Ser Arg Lys
             65                  70                  75
Met Met Ala Glu Val Val Arg Arg Lys Leu Gly Thr His Tyr Gln
             80                  85                  90
Ile Thr Lys Asn Arg Leu Tyr Arg Glu Asn Asp Cys Met Phe Pro
             95                 100                 105
Ser Arg Cys Ser Gly Val Glu His Phe Ile Leu Glu Val Ile Gly
            110                 115                 120
Arg Leu Pro Asp Met Glu Met Val Ile Asn Val Arg Asp Tyr Pro
            125                 130                 135
Gln Val Pro Lys Trp Met Glu Pro Ala Ile Pro Val Phe Ser Phe
            140                 145                 150
Ser Lys Thr Ser Glu Tyr His Asp Ile Met Tyr Pro Ala Trp Thr
            155                 160                 165
Phe Trp Glu Gly Gly Pro Ala Val Trp Pro Ile Tyr Pro Thr Gly
            170                 175                 180
Leu Gly Arg Trp Asp Leu Phe Arg Glu Asp Leu Val Arg Ser Ala
            185                 190                 195
Ala Gln Trp Pro Trp Lys Lys Lys Asn Ser Thr Ala Tyr Phe Arg
            200                 205                 210
Gly Ser Arg Thr Ser Pro Glu Arg Asp Pro Leu Ile Leu Leu Ser
            215                 220                 225
Arg Lys Asn Pro Lys Leu Val Asp Ala Glu Tyr Thr Lys Asn Gln
            230                 235                 240
Ala Trp Lys Ser Met Lys Asp Thr Leu Gly Lys Pro Ala Ala Lys
            245                 250                 255
Asp Val His Leu Val Asp His Cys Lys Tyr Lys Tyr Leu Phe Asn
            260                 265                 270
Phe Arg Gly Val Leu Gln Val Ser Gly Leu Asn Thr Ser Ser Cys
            275                 280                 285
Val Ala Ile Ile Leu Met Arg Lys Arg Thr Tyr
            290                 295
```

<210> 15
<211> 249
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3101617CD1

<400> 15

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Met Asp Gly Lys Lys Cys Ser Val Trp Met Phe Leu Pro Leu Val
  1               5                  10                  15
Phe Thr Leu Phe Thr Ser Ala Gly Leu Trp Ile Val Tyr Phe Ile
             20                  25                  30
Ala Val Glu Asp Asp Lys Ile Leu Pro Leu Asn Ser Ala Glu Arg
             35                  40                  45
Lys Pro Gly Val Lys His Ala Pro Tyr Ile Ser Ile Ala Gly Asp
             50                  55                  60
Asp Pro Pro Ala Ser Cys Val Phe Ser Gln Val Met Asn Met Ala
             65                  70                  75
Ala Phe Leu Ala Leu Val Val Ala Val Leu Arg Phe Ile Gln Leu
             80                  85                  90
Lys Pro Lys Val Leu Asn Pro Trp Leu Asn Ile Ser Gly Leu Val
             95                 100                 105
Ala Leu Cys Leu Ala Ser Phe Gly Met Thr Leu Leu Gly Asn Phe
            110                 115                 120
Gln Leu Thr Asn Asp Glu Glu Ile His Asn Val Gly Thr Ser Leu
            125                 130                 135
Thr Phe Gly Phe Gly Thr Leu Thr Cys Trp Ile Gln Ala Ala Leu
            140                 145                 150
Thr Leu Lys Val Asn Ile Lys Asn Glu Gly Arg Arg Val Gly Ile
            155                 160                 165
Pro Arg Val Ile Leu Ser Ala Ser Ile Thr Leu Cys Val Val Leu
            170                 175                 180
Tyr Phe Ile Leu Met Ala Gln Ser Ile His Met Tyr Ala Ala Arg
            185                 190                 195
Val Gln Trp Gly Leu Val Met Cys Phe Leu Ser Tyr Phe Gly Thr
            200                 205                 210
Phe Ala Val Glu Phe Arg His Tyr Arg Tyr Glu Ile Val Cys Ser
            215                 220                 225
Glu Tyr Gln Glu Asn Phe Leu Ser Phe Ser Glu Ser Leu Ser Glu
            230                 235                 240
Ala Ser Glu Tyr Gln Thr Asp Gln Val
            245
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<210> 16
<211> 124
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3216178CD1

<400> 16
Met Gly Gly Tyr Leu Lys Thr Arg Pro Trp Thr Leu Gln His Phe
1 5 10 15
Tyr Leu Cys Leu Met Pro Ala Ala Thr Trp Leu Val Leu Leu Leu
20 25 30
Leu Leu Trp Leu Ser Leu Gly Val Lys Thr Gly Ser Cys Ser Gln
35 40 45
Pro Gln Asn Leu Cys Cys Leu Gly Thr Asp His His Cys Lys Arg
50 55 60
Gly Ser Cys Tyr Cys Asp Glu Phe Cys His Val Ala Pro Asp Cys
65 70 75
His Pro Asp His Ser Val Leu Cys Asn Pro Ala Ser Gln Met Thr
80 85 90
Lys Met Val Leu Gln Met Val Leu Arg Met Glu Asn Pro Pro Ser
95 100 105
Pro Ala Arg Ser His Leu Asp Trp Met Gln Ser Met Val Ser Ser
110 115 120
Leu Gln Val Leu

<210> 17
<211> 101
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3406803CD1

<400> 17
Met Leu Pro Val Gly Ala Gln Pro Arg Ser Pro Pro Trp Val Leu
1 5 10 15
Ala Arg Leu Leu His Pro Arg Gly Pro Ala Ala Thr Ser Leu Val
20 25 30
Pro Phe Leu Pro Trp Gly Ser Leu Glu Ser His Thr Pro Cys Pro
35 40 45
Tyr Arg Ala Cys Ser Pro Gly Trp Glu Leu Thr Leu Ser Thr Phe
50 55 60
Pro Glu Arg Glu Thr Leu Ser Gly Gly Glu Val Arg Lys Arg Gly
65 70 75
Ala Gly Ser Met Val Gly Gly Gly Glu Ser Thr Met Thr Arg Ala
80 85 90
Leu Cys Val Arg Leu Leu Thr Lys Leu Arg Val
95 100

<210> 18
<211> 540
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3468066CD1

<400> 18

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Met Ala Thr Ser Gly Ala Ala Ser Ala Glu Leu Val Ile Gly Trp
  1               5                  10                  15
Cys Ile Phe Gly Leu Leu Leu Leu Ala Ile Leu Ala Phe Cys Trp
             20                  25                  30
Ile Tyr Val Arg Lys Tyr Gln Ser Arg Arg Glu Ser Glu Val Val
             35                  40                  45
Ser Thr Ile Thr Ala Ile Phe Ser Leu Ala Ile Ala Leu Ile Thr
             50                  55                  60
Ser Ala Leu Leu Pro Val Asp Ile Phe Leu Val Ser Tyr Met Lys
             65                  70                  75
Asn Gln Asn Gly Thr Phe Lys Asp Trp Ala Asn Ala Asn Val Ser
             80                  85                  90
Arg Gln Ile Glu Asp Thr Val Leu Tyr Gly Tyr Tyr Thr Leu Tyr
             95                 100                 105
Ser Val Ile Leu Phe Cys Val Phe Phe Trp Ile Pro Phe Val Tyr
            110                 115                 120
Phe Tyr Tyr Glu Glu Lys Asp Asp Asp Asp Thr Ser Lys Cys Thr
            125                 130                 135
Gln Ile Lys Thr Ala Leu Lys Tyr Thr Leu Gly Phe Val Val Ile
            140                 145                 150
Cys Ala Leu Leu Leu Leu Val Gly Ala Phe Val Pro Leu Asn Val
            155                 160                 165
Pro Asn Asn Lys Asn Ser Thr Glu Trp Glu Lys Val Lys Ser Leu
            170                 175                 180
Phe Glu Glu Leu Gly Ser Ser His Gly Leu Ala Ala Leu Ser Phe
            185                 190                 195
Ser Ile Ser Ser Leu Thr Leu Ile Gly Met Leu Ala Ala Ile Thr
            200                 205                 210
Tyr Thr Ala Tyr Gly Met Ser Ala Leu Pro Leu Asn Leu Ile Lys
            215                 220                 225
Gly Thr Arg Ser Ala Ala Tyr Glu Arg Leu Glu Asn Thr Glu Asp
            230                 235                 240
Ile Glu Glu Val Glu Gln His Ile Gln Thr Ile Lys Ser Lys Ser
            245                 250                 255
Lys Asp Gly Arg Pro Leu Pro Ala Arg Asp Lys Arg Ala Leu Lys
            260                 265                 270
Gln Phe Glu Glu Arg Leu Arg Thr Leu Lys Lys Arg Glu Arg His
            275                 280                 285
Leu Glu Phe Ile Glu Asn Ser Trp Trp Thr Lys Phe Cys Gly Ala
            290                 295                 300
Leu Arg Pro Leu Lys Ile Val Trp Gly Ile Phe Phe Ile Leu Val
            305                 310                 315
Ala Leu Leu Phe Val Ile Ser Leu Phe Leu Ser Asn Leu Asp Lys
            320                 325                 330
Ala Leu His Ser Ala Gly Ile Asp Ser Gly Phe Ile Ile Phe Gly
            335                 340                 345
Ala Asn Leu Ser Asn Pro Leu Asn Met Leu Leu Pro Leu Leu Gln
            350                 355                 360
Thr Val Phe Pro Leu Asp Tyr Ile Leu Ile Thr Ile Ile Ile Met
            365                 370                 375
Tyr Phe Ile Phe Thr Ser Met Ala Gly Ile Arg Asn Ile Gly Ile
            380                 385                 390
Trp Phe Phe Trp Ile Arg Leu Tyr Lys Ile Arg Arg Gly Arg Thr
            395                 400                 405
Arg Pro Gln Ala Leu Leu Phe Leu Cys Met Ile Leu Leu Leu Ile
            410                 415                 420
Val Leu His Thr Ser Tyr Met Ile Tyr Ser Leu Ala Pro Gln Tyr
            425                 430                 435
```

```
Val Met Tyr Gly Ser Gln Asn Tyr Leu Ile Glu Thr Asn Ile Thr
                440                 445                 450
Ser Asp Asn His Lys Gly Asn Ser Thr Leu Ser Val Pro Lys Arg
                455                 460                 465
Cys Asp Ala Glu Ala Pro Glu Asp Gln Cys Thr Val Thr Arg Thr
                470                 475                 480
Tyr Leu Phe Leu His Lys Phe Trp Phe Phe Ser Ala Ala Tyr Tyr
                485                 490                 495
Phe Gly Asn Trp Ala Phe Leu Gly Val Phe Leu Ile Gly Leu Ile
                500                 505                 510
Val Ser Cys Cys Lys Gly Lys Lys Ser Val Ile Glu Gly Val Asp
                515                 520                 525
Glu Asp Ser Asp Ile Ser Asp Asp Glu Pro Ser Val Tyr Ser Ala
                530                 535                 540
```

<210> 19
<211> 108
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3592862CD1

<400> 19

```
Met Thr Pro Ser Arg Leu Pro Trp Leu Leu Ser Trp Val Ser Ala
  1               5                  10                  15
Thr Ala Trp Arg Ala Ala Arg Ser Pro Leu Leu Cys His Ser Leu
                20                  25                  30
Arg Lys Thr Ser Ser Ser Gln Gly Gly Lys Ser Glu Leu Val Lys
                35                  40                  45
Gln Ser Leu Lys Lys Pro Lys Leu Pro Glu Gly Arg Phe Asp Ala
                50                  55                  60
Pro Glu Asp Ser His Leu Glu Lys Glu Pro Leu Glu Lys Phe Pro
                65                  70                  75
Asp Asp Val Asn Pro Val Thr Lys Glu Lys Gly Gly Pro Arg Gly
                80                  85                  90
Pro Glu Pro Thr Arg Tyr Gly Asp Trp Glu Arg Lys Gly Arg Cys
                95                 100                 105
Ile Asp Phe
```

<210> 20
<211> 114
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3669422CD1

<400> 20

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Met Ser Ser Ser Ser Ser Arg Cys Leu Ser Pro Ser Pro Gly Met
  1               5                  10                  15
```

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```
Ser Leu Trp Ser Cys Leu Leu Phe Leu Cys Thr Pro Ser Pro Thr
                 20                  25                  30
Thr Thr Ser Pro Ser Pro Asp Pro Ser Gln Val Ser Thr Leu Pro
                 35                  40                  45
Thr Pro Ser Pro Gln Arg Glu Gly Leu Lys Gln Gly Gln Trp Arg
                 50                  55                  60
Lys Thr Gly Pro Ser Ser Thr His Pro His Thr Pro Ser Ser Arg
                 65                  70                  75
Pro Pro Ser Pro Ser Ser Leu Pro Leu Thr Trp Lys Leu Leu Gln
                 80                  85                  90
Pro Ile Pro Ser His Ser Leu Pro His Pro Pro Lys Ile His Thr
                 95                 100                 105
Gly Pro Ser Leu Ala Glu Cys Gly His
                110
```

<210> 21
<211> 114
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3688740CD1

<400> 21

```
Met Arg Gly Glu His Asn Ser Thr Ser Tyr Asp Ser Ala Val Ile
  1               5                  10                  15
Tyr Arg Gly Phe Trp Ala Val Leu Met Leu Leu Gly Val Val Ala
                 20                  25                  30
Val Val Ile Ala Ser Phe Leu Ile Ile Cys Ala Ala Pro Phe Ala
                 35                  40                  45
Ser His Phe Leu Tyr Lys Ala Gly Gly Gly Ser Tyr Ile Ala Ala
                 50                  55                  60
Asp Gly Ile Ser Ser Leu Cys Tyr Ser Ser Leu Ser Lys Ser Leu
                 65                  70                  75
Leu Ser Gln Pro Leu Arg Glu Thr Ser Ser Ala Ile Asn Asp Ile
                 80                  85                  90
Ser Leu Leu Gln Ala Leu Met Pro Leu Leu Gly Trp Thr Ser His
                 95                 100                 105
Trp Thr Cys Ile Thr Val Gly Leu Tyr
                110
```

<210> 22
<211> 387
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3742589CD1

<400> 22

```
Met Glu Leu Glu Arg Ile Val Ser Ala Ala Leu Leu Ala Phe Val
```

```
  1               5                  10                  15
Gln Thr His Leu Pro Glu Ala Asp Leu Ser Gly Leu Asp Glu Val
                20                  25                  30
Ile Phe Ser Tyr Val Leu Gly Val Leu Glu Asp Leu Gly Pro Ser
                35                  40                  45
Gly Pro Ser Glu Glu Asn Phe Asp Met Glu Ala Phe Thr Glu Met
                50                  55                  60
Met Glu Ala Tyr Val Pro Gly Phe Ala His Ile Pro Arg Gly Thr
                65                  70                  75
Ile Gly Asp Met Met Gln Lys Leu Ser Gly Gln Leu Ser Asp Ala
                80                  85                  90
Arg Asn Lys Glu Asn Leu Gln Pro Gln Ser Ser Gly Val Gln Gly
                95                 100                 105
Gln Val Pro Ile Ser Pro Glu Pro Leu Gln Arg Pro Glu Met Leu
               110                 115                 120
Lys Glu Glu Thr Arg Ser Ser Ala Ala Ala Ala Asp Thr Gln
               125                 130                 135
Asp Glu Ala Thr Gly Ala Glu Glu Glu Leu Leu Pro Gly Val Asp
               140                 145                 150
Val Leu Leu Glu Val Phe Pro Thr Cys Ser Val Glu Gln Ala Gln
               155                 160                 165
Trp Val Leu Ala Lys Ala Arg Gly Asp Leu Glu Glu Ala Val Gln
               170                 175                 180
Met Leu Val Glu Gly Lys Glu Glu Gly Pro Ala Ala Trp Glu Gly
               185                 190                 195
Pro Asn Gln Asp Leu Pro Arg Arg Leu Arg Gly Pro Gln Lys Asp
               200                 205                 210
Glu Leu Lys Ser Phe Ile Leu Gln Lys Tyr Met Met Val Asp Ser
               215                 220                 225
Ala Glu Asp Gln Lys Ile His Arg Pro Met Ala Pro Lys Glu Ala
               230                 235                 240
Pro Lys Lys Leu Ile Arg Tyr Ile Asp Asn Gln Val Val Ser Thr
               245                 250                 255
Lys Gly Glu Arg Phe Lys Asp Val Arg Asn Pro Glu Ala Glu Glu
               260                 265                 270
Met Lys Ala Thr Tyr Ile Asn Leu Lys Pro Ala Arg Lys Tyr Arg
               275                 280                 285
Phe His
```

<210> 23
<211> 854
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 078811CB1

<400> 23
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ttgtcttcta ggatcaactc ggtcattacc agtctttcct tctttaagtc tgataccatt 120
aacacagatg ctcacactgg ggccagatct gcatctgtta aatcctgctg caggaatgac 180
acctggtacc cagacccacc cattgaccct gggagggttg aatgtacaac agcaactgca 240
cccacatgtg ttaccaattt ttgtcacaca acttggagcc ccagggcact atcctaagct 300
cagaggaatt gccacaaatc ttcacgagcc tcatcatcca ttccttgttc cccgggaggc 360
atccttgccc accagtcagg caggggctaa tccagatgtc caggatggaa gccttccagc 420

aggaggagca ggtgtaaatc ctgccaccca gggaacccca gcaggccgcc tcccaactcc 480
cagtggcaca gatgacgact ttgcagtgac caccctgca ggcatccaaa ggagcacaca 540
tgccatcgag gaagccacca cagaatcagc aaatggaatt cagtaagctg tttcaaattt 600
tttcaactaa gctgcctcga atttggtgat acatgtgaat ctttatcatt gattatatta 660
tggaatagat tgagacacat tggatagtct tagaagaaat taattcttaa tttacctgaa 720
aatattcttg aaatttcaga aaatatgttc tatgtagaga atcccaactt ttaaaaacaa 780
taattcaatg gataaatctg tctttgaaat ataacattat gctgcctgga tgatatgcat 840
attaaaacga atta 854

<210> 24
<211> 1804
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 371156CB1

<400> 24
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gctgaggttt tgtgctcact gaaaggggtg tcaaccccag aaggccgaca caaaaaaaat 120
ggtatgtgaa gatgcaccgt cttttcaaat ggcctgggag agtcaaatgg cctgggagag 180
ggggcctgcc cttctctgct gtgtcctttc ggcttcccag ttgagctccc aagaccagga 240
cccactgggg catataaaat ctctgctgta tcctttcggc ttcccagttg agctcccaag 300
accaggaccc actggggcat ataaaaaagt caaaaatcaa aatcaaacaa caagttctga 360
gttacttagg aaacagactt cgcatttcaa tcagagaggc cacagagcaa ggtctaaact 420
tctggcttct agacaaattc ctgatagaac atttaaatgt gggaagtggc ttccccaggt 480
cccatcccct gtttagggat agagttgata tcatttttat aggtgccatg tatgcctctg 540
cctgaatttt tttaattgac ttttgagctt ttgagattgc acgagggaga acaaggcctt 600
tgctgttgtg gataggaaag acttaaccta aaattaaacc agcaagaaag cattagtaaa 660
aatctaacaa tatgaagggc tcttatgagt catttttttc aaaagatgaa aactccagaa 720
acgcacagga acgaaatacc tcccagaaac atgaagcaat catcgaagac tcactggtaa 780
tatttttaaa aagtatacag atcaaagcaa aaagaagcca tgtgtaacaa agagaaatgt 840
gcaaatattt tttaaggcag tattaagtgc aagaggagta acatgaaata aacattcttt 900
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tggcaaaacc ttaagattgt gtactggggc ccagaatttt tatttctagg aatgtatcct 1020
gaggaaatta tccgagatcc ccacaaactg caatgtttag gaattgtcct tatagcattg 1080
catacacaag aaaaacagag aaaagcctga tccctgtcag tggaaaaggg gttcaatgaa 1140
ttacggtgtg tctgcatgag gcttttatga cattaaaaat tgttgaacaa cggccaggca 1200
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ggagaattga ttgaacccgg gaggcagagg ttgcactgag ctgagattaa gccaccgcac 1440
tccagcctgg gcgacagagc aagattccgt tcccaagaaa aaaaaattgt tcaacaataa 1500
gggcaaaggg agagaatcat aacatctgat taaacagaaa aagcaagatt tttaaaacta 1560
actatataag gatggtccca gctgtgtcaa aaggaagctt gtttgtaata cgtgtgcata 1620
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actaagactt tctagaattt tacttattca ttctgtactt aaatttttttc taatgaacac 1740
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aaaa 1804

<210> 25
<211> 2663
<212> DNA
<213> Homo sapiens

<220>

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<221> misc_feature
<223> Incyte ID No: 584050CB1

<400> 25
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gcgagcggct cccagggcga ccgtgagccg gtgtaccgcg actgcgtact gcagtgcgaa 120
gagcagaact gctctggggg cgctctgaat cacttccgct cccgccagcc aatctacatg 180
agtctagcag gctggacctg tcgggacgac tgtaagtatg agtgtatgtg ggtcaccgtt 240
gggctctacc tccaggaagg tcacaaagtg cctcagttcc atggcaagtg gcccttctcc 300
cggttcctgt tctttcaaga gccggcatcg gccgtggcct cgtttctcaa tggcctggcc 360
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acctgtgtgg ccttcgcctg ggtgtccctc aatgcatggt tctggtccac agtcttccac 480
accagggaca ctgacctcac agagaaaatg gactacttct gtgcctccac tgtcatccta 540
cactcaatct acctgtgctg cgtcaggacc gtggggctgc agcacccagc tgtggtcagt 600
gccttccggg ctctcctgct gctcatgctg accgtgcacg tctcctacct gagcctcatc 660
cgcttcgact atggctacaa cctggtggcc aacgtggcta ttggcctggt caacgtggtg 720
tggtggctgg cctggtgcct gtggaaccag cggcggctgc ctcacgtgcg caagtgcgtg 780
gtggtggtct tgctgctgca ggggctgtcc ctgctcgagc tgcttgactt cccaccgctc 840
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acagctgcct gtttcctccc caccagcctc ctccccacat ccccagctgc ctggctgggt 1320
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ctgattttgg ggaggaggaa ggggcgattt gagggagaag gggagaaagc ttatggctgg 2280
gtctggtttc ttcccttccc agagggtctt actgttccag ggtggcccca gggcaggcag 2340
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cagtctccgt ggttgaagca gactggattt ttgctctgcc cctgacccct tgtccctctt 2520
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tctttgata ctgaaaactt ttaaggtggg agggtggcaa gggatgtgct taataaatca 2640
attccaagcc tcaaaaaaaa aaa 2663

<210> 26
<211> 769
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 863808CB1

<400> 26
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cgggcttcgg ctgctggccg tgcagcggct tcccgtagga gcagcgttct gccgggcttg 180
ccagacccca aactttgtcc gcggcctgca cagcgagcct gggctggagg agcgggcgga 240
gggagacggtc aacgagggac gcccagaatc ggacgcggca gatcatactg gtcccaagtt 300
tgacatcgat atgatggttt cacttctgag gcaagaaaat gcaagagaca tttgtgtgat 360
ccaggttcct ccagaaatga gatatacaga ttactttgtg attgttagtg gaacttctac 420
ccgacactta catgccatgg ccttctacgt tgtgaaaatg tacaaacacc tgaaatgtaa 480
acgtgaccct catgttaaga tagaagggaa ggacactgat gactggctgt gcgtggattt 540
tggcagcatg gtgattcatt tgatgcttcc agaaaccaga gaaatctatg aattagagaa 600
attatggacc ctacgttctt atgatgacca gttagctcag atagcacctg agacagtacc 660
tgaagacttc attcttggaa tagaagatga tacttcatct gtgactccag tggagttaaa 720
atgtgaataa aatattttat gcactgcgtt agtcaaaaaa aaaaaaaaa 769

<210> 27
<211> 1257
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 978433CB1

<400> 27
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agccgggagc catgcgaccc cagggccccg ccgcctcccc gcagcggctc cgcggcctcc 180
tgctgctcct gctgctgcag ctgcccgcgc cgtcgagcgc ctctgagatc cccaagggga 240
agcaaaaggc gcagctccgg cagagggagg tggtggacct gtataatgga atgtgcttac 300
aagggccagc aggagtgcct ggtcgagacg ggagccctgg ggccaatggc attccgggta 360
cacctgggat cccaggtcgg gatggattca aaggagaaaa gggggaatgt ctgagggaaa 420
gctttgagga gtcctggaca cccaactaca agcagtgttc atggagttca ttgaattatg 480
gcatagatct tgggaaaatt gcggagtgta catttacaaa gatgcgttca aatagtgctc 540
taagagtttt gttcagtggc tcacttcggc taaaatgcag aaatgcatgc tgtcagcgtt 600
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atttggacca aggaagccct gaaatgaatt caacaattaa tattcatcgc acttcttctg 720
tggaaggact ttgtgaagga attggtgctg gattagtgga tgttgctatc tgggttggca 780
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<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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